TechnoHaze Specifications

Heater size
- 600w

Total power consumption
- 3A @ 220-240v
- 6A@ 110v

Fuse rating
- 5A @ 220-240v
- 10A @ 110v

Heat up time
- 9 mins

Operation time
- Continuous

Over-heat protection
- Direct Thermal Protection Device

Controller supplied
- Analogue variable output controller

Control Options
- 0-10v input

DMX input
- Optional DMX interface

0-10v input
- Use remote Din socket Pin 1 GND and Pin 3, 0-10v input. This pin needs 1.5v to heat the machine and 2-10v to run the pump when up to working temperature.

Analog link
- N/A

Fluid capacity
- 2.5 litre

Recommended fluid
- Pro Haze

Fluid consumption (max.)
- 20ml/min
- 0.005 Imp. gallon/min

Fluid level sensing
- N/A

Input fluid pipe diameter
- O/D 4mm

Haze Output (max.)
- 200 cubic metres/min
- 7062 cubic feet/min

Dimensions of Machine
- 600mm x 300mm x 155mm

Dimensions when boxed
- 740mm x 440mm x 280mm

Weight (no fluid)
- 14kg

Weight (with fluid)
- 17kg

Flying kit
- N/A

Drip tray
- Optional

Installation
- The machine should be located in a well-ventilated area with a minimum of 200mm air space around the sides and top of the machine. The machine should only be used on level surfaces. The initial smoke output of the machine is hot, so the front of the

machine should at least 1 metre from surfaces or people. Never leave the machine running unattended. Do not install above people´s heads.

Ducting kit	Output nozzle size
N/A	N/A
Max length of remote cable	**Accessories**
50 metres (5 metres supplied)	N/A

Sample project specification

- **Description**
  The Technohaze produces an effect of much lighter molecular structure, better for light-beam enhancement and perfect for mid-air projection needs of today´s intelligent lighting effects.
- **Heat exchanger**
  All Jem heat exchangers are designed for high efficiency performance. Only the purest grade LM24 aluminum is used in the production process which eliminates the risk of porosity (pockets of gas within the casting which can cause heater failure). All heat exchangers contain cuprous helicoils of at least 2.8 meters in length, ensuring a continuous flow of pure, dry, white smoke.
- **Electronic Pump Ramping**
  Jem was the original pioneer of EPR, an intelligent means of warning of a drop in temperature which could result in ´wet smoke´ (residue). The pumps respond to this signal by running slower and pumping less fluid, thus allowing the heaters to restore optimum operational temperature. This guarantees a continuous flow of smoke using highly efficient, lower wattage heaters.
- **Electronic Low Fluid Cut-off System**
  This technology is fitted to all machines designed for continuous operation. To eliminate the risk of running dry and burning out the pump, this unique electronic sensing system will automatically shut-off the machine, protecting all major components.
- **Sequential Pump System**
  Because haze generators generally run continuously, heavy demands are placed on the pump. Jem´s Sequential Pump System increases the life of the machine through a dedicated ´haze´ pump circuit which pulses the pump at full output thus producing the ideal output and keeping the pump cool.
- **Direct Thermal Protection Device**
  This small yet crucial component is the last line of defense against catastrophic failure. Other manufacturers still depend on cheap plastic whereas Jem´s DTPD is made from a solid ceramic composite. This guarantees extremely precise overheat monitoring and is unaffected by ambient temperature changes.
- **Max Power Consumption**
  3A @ 220v
  6A @ 110v
- **Maximum Haze Output**
  200 cubic metres/min
  7062 cubic feet/min
- **Fluid container**
  All Jem smoke, haze and heavy fog machines are designed to carry removable fluid containers of varying sizes depending on the models application. The removable

container makes for quicker refills and protects the machine from damage through spillage in transit.

- **Maximum Fluid Consumption**
  20ml/min
  0.005 Imp. gallon/min
- **Accessories**
  DMX interface (accepts the ZR12 DMX interface)
- **Included items**
  Analogue remote control
  2.5 litre fluid container (empty)
  Instructions for use manual
- **Recommended fluids**
  Pro haze